

Better Tuition FREE CEM-style 11 Plus Practice Entrance Exam

Answers

Paper One

Section One: Verbal Reasoning (Comprehension)

1. D
2. C
3. B
4. A
5. A
6. B
7. C
8. D
9. C
10. A
11. B
12. C
13. D
14. A
15. B

Section Two: Verbal Reasoning (Cloze)

1. C
2. C
3. B
4. A
5. A
6. B
7. C
8. B
9. B
10. A
11. C
12. D
13. A
14. B
15. A

Section Three: Verbal Reasoning (Synonyms and antonyms)

We have given the missing letters, followed by the complete word.

1. SNY - SKINNY
2. MAU - MATURE
3. RYA - ROYAL
4. KEN - KEEN
5. CSE - CEASELESS
6. CAP - CARP
7. LIEY - LIVELY
8. DMP - DAMP
9. FA - FRAIL
10. SURM - SUPREME
11. PPL - PURPLE
12. FNY - FANCY
13. WAFU - WAKEFUL
14. ABDN - ABANDON
15. LUK - LUCKY
16. FMU - FAMOUS
17. NCE - NICE
18. NRRO - NARROW
19. ASLEP - ASLEEP
20. HEITN - HESITANT
21. MIEAB - MISERABLE
22. BRGT - BRIGHT
23. PUY - PUNY
24. INERA - INTERNAL
25. HLAIUS - HILARIOUS
26. RPIR - REPAIR
27. STAG - STRANGE

Section Four - Verbal Reasoning (Scrambled Sentences)

1. G
2. E
3. E
4. C
5. A
6. F
7. D
8. A
9. C
10. B

Paper Two

Section One: Short Maths

1. 12
2. 5.00
3. 078
4. 30
5. 129
6. 07
7. 227
8. 030
9. 22
10. $\frac{6}{5}$
11. 03
12. 00.206
13. 1000
14. 4.2
15. D
16. C
17. E
18. £2.88
19. 03
20. 07

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Section Two: Long Maths

1. a) 06 b) $\frac{1}{5}$ c) 0.24
2. 156
3. 50
4. 1100
5. £17.50
6. $\frac{4}{9}$
7. 08
8. £7.20
9. 62m
10. 0840

Section Three: NVR

Where possible we have included explanations for the answers.

Part One: Changing Pictures (Analogies)

1. D - Black becomes stripy; white becomes black; grey becomes white.
2. C - The image is reflected vertically.
3. C - The shape that makes the 'door' on the 'house' is swapped with the shapes that make the 'chimneys' on the 'house'.
4. C - The main body of the 'house' is rotated 180 degrees; the number of 'windows' is doubled; the number of 'chimneys' is halved.
5. B - the 3D shapes become 2D shapes. Their shading and position do not change.
6. B - The pattern of the 'tree trunk' is rotated by 90 degrees; the larger shape on top of the 'trunk' is

swapped with the smaller shapes.

Part Two: Panoramic Views

7. D
8. D
9. A
10. C
11. B

Part Three: Reflections

12. D
13. B
14. B
15. C

Part Four: the Odd One Out

16. E - All the other options have sides that add up to 13.
You could also accept 'C' as all the other options have two black shapes.
17. D - The shapes should all be the same; one shape in D is not a triangle.
18. A - the two shapes should be the same; the shapes in A are a pentagon and a hexagon.
19. E - E has no vertices (corners) and no lines of symmetry.
20. B - the rest are all cube numbers (e.g. $1 \times 1 \times 1$; $2 \times 2 \times 2$, etc.)

Part Five: Hexagonal Matrices

21. A - The arrows are

rotated by 45 degrees each time; the background alternates between grey and black.

22. B - The number of points on the star increases each time; the background sequence is black, grey, white.

23. B - The thickness of the arrow should be doubled in pairs of two.

24. B - the image should show a reflection of the image that is diagonally opposite.

25. A - The sequence of square colours is black, grey, white. One straight line is added each time.

Part Six: Square Matrices

26. C - The image should show a horizontal reflection of the image above.

27. C - The inner shape is rotated clockwise by 90 degrees each time. The patterns of the inner shapes and the backgrounds alternate between black and stripy.

28. B - The shape is rotated by 90 degrees anti-clockwise each time. The rectangular base of the arrow alternates between black and white. The number of arrows reduces by one each time. The arrows become thicker each time.

29. C - The star becomes

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bigger each time and moves round the corners of the square in a clockwise sequence. The horizontal line moves up each time. The line gains bigger dashes each time.

30. B - There should be four four-sided shapes. One should be grey, another white and the rest should be black.